

**What is claimed is:**

1. A method of driving a plasma display panel, comprising the steps of:
  - 5 applying a first waveform to sustain electrodes in an initialization period included in an initial sub-field of one frame; and
  - applying a second waveform to the sustain electrodes in an initialization period of each of the remaining sub-  
10 fields following the initial sub-field.
2. The method as claimed in claim 1, wherein said initial sub-field is at least one sub-field including the first sub-field of said frame.
- 15 3. The method as claimed in claim 2, wherein said initial sub-field is the first and second sub-fields of said frame.
4. The method as claimed in claim 1, wherein each of the  
20 remaining sub-fields other than the initial sub-field has a higher brightness weighting value than the initial sub-field.
5. The method as claimed in claim 1, wherein said  
25 initialization period of the initial sub-field includes a set-up interval for forming wall charges within cells by a writing discharge, and a set-down interval for erasing a portion of said wall charges by an erasure discharge, and wherein the sustain electrodes are electrically floated  
30 during a first time interval that is a portion of said set-up interval.
6. The method as claimed in claim 5, wherein each of said

initialization periods of the remaining sub-fields other than the initial sub-field includes a set-up interval for forming wall charges within cells by a writing discharge, and a set-down interval for erasing a portion of said wall charges by an erasure discharge, and wherein the sustain electrodes are supplied with a ground voltage during the set-up interval.

7. The method as claimed in claim 5, wherein each of said initialization periods of the remaining sub-fields other than the initial sub-field includes a set-up interval for forming wall charges within cells by a writing discharge, and a set-down interval for erasing a portion of said wall charges by an erasure discharge, and wherein the sustain electrodes are electrically floated during a shorter time than said first time interval in the set-up interval.

8. The method as claimed in claim 7, wherein a time interval when the sustain electrode is floated is set to be shorter as it goes into the last sub-field of said frame.

9. The method as claimed in claim 5, wherein a voltage rising at a first slope is derived into the sustain electrode during said first time interval.

10. The method as claimed in claim 9, wherein each of said initialization periods of the remaining sub-fields other than the initial sub-field includes a set-up interval for forming wall charges within cells by a writing discharge, and a set-down interval for erasing a portion of said wall charges by an erasure discharge, and wherein a voltage rising at a lower slope than said first

slope is applied to the sustain electrode during said first time interval.

11. The method as claimed in claim 10, wherein said  
5 voltage applied to the sustain electrode is set to have a lower slope as it goes into the last sub-field of said frame.

12. A method of driving a plasma display panel, comprising  
10 the steps of:

applying a first waveform to sustain electrodes in an initialization period of a sub-field having a low weighting value at one frame; and

applying a second waveform to the sustain electrodes  
15 in an initialization period of each of the remaining sub-fields other than the initial sub-field having said low brightness weighting value.

13. The method as claimed in claim 12, wherein said sub-  
20 field having said low brightness weighting value includes at least one sub-field having a brightness weighting value that is less than a half of the maximum brightness weighting value of said frame.

25 14. The method as claimed in claim 12, wherein said initialization period of said sub-field having said low brightness weighting value includes a set-up interval for forming wall charges within cells by a writing discharge, and a set-down interval for erasing a portion of said wall  
30 charges by an erasure discharge, and wherein the sustain electrodes are electrically floated during a first time interval that is a portion of said set-up interval.

15. The method as claimed in claim 14, wherein each of said initialization periods of the remaining sub-fields other than said sub-field having said low brightness weighting value includes a set-up interval for forming  
5 wall charges within cells by a writing discharge, and a set-down interval for erasing a portion of said wall charges by an erasure discharge, and wherein the sustain electrodes are supplied with a ground voltage in the set-up interval.

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16. The method as claimed in claim 14, wherein each of said initialization periods of the remaining sub-fields other than said sub-field having said low brightness weighting value includes a set-up interval for forming  
15 wall charges within cells by a writing discharge, and a set-down interval for erasing a portion of said wall charges by an erasure discharge, and wherein the sustain electrodes are electrically floated during a shorter time than said first time interval in the set-up interval.

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17. The method as claimed in claim 16, wherein a time interval when the sustain electrode is floated is set to be shorter as it goes into a sub-field having a higher brightness weighting value.

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18. The method as claimed in claim 14, wherein a voltage rising at a first slope is derived into the sustain electrode during said first time interval.

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19. The method as claimed in claim 18, wherein each of said initialization periods of the remaining sub-fields other than said sub-field having said low brightness weighting value includes a set-up interval for forming

wall charges within cells by a writing discharge, and a set-down interval for erasing a portion of said wall charges by an erasure discharge, and wherein a voltage rising at a lower slope than said first slope is applied  
5 to the sustain electrode during said first time interval.

20. The method as claimed in claim 19, wherein said voltage applied to the sustain electrode is set to have a lower slope as it goes into a sub-field having a higher  
10 brightness weighting value.